



Form PTO 1449		
ATTY DOCKET NO. 26-98A	SERIAL NO. 09/981,124	FILING DATE October 17, 2001
APPLICANT Green et al.		GROUP 1638

U.S. PATENT DOCUMENTS

Exmr. Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
EM	1	6,329,518 B1	12/11/01	Green et al.	536	23.6	

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation Yes/No
EM	2	WO 89/05852	06.29.89	PCT	C12N	9/22	
EM	3	WO 97/37033	09.10.97	PCT	C12P	7/64	
EM	4	WO 97/37033	10/09/97	PCT	C12P	7/64	
EM	5	WO 96/10074	04/04/96	PCT	C12N	5/00	

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OTHER PRIOR ART (including Author, Title, Date, Pertinent Pages, etc.)

EM	6	Bafor et al. (1993) "Biosynthesis of vernoleate (<i>cis</i> -12-epoxyoctadeca- <i>cis</i> -9-enoate) in microsomal preparations from developing endosperm of <i>euphorbia lagascae</i> " <i>Archives of Biochemistry and Biophysics</i> 303(1):145-151.
EM	7	Banas et al. (February 1997) In: Williams, J.P., Mobasher, K.U., Lem, N.W. (Eds) <i>Physiology, biochemistry and molecular biology of plant lipids</i> . Kluwer Academic Publisher, Dordrecht. In press. "Biosynthesis of an Acetylenic Fatty Acid in Microsomal Preparations From Developing Seeds of <i>Crepis Alpina</i> " pp. 57-59.
EM	8	Blee et al. (1993) "Regio- and stereoselectivity of cytochrome P-450 and peroxxygenase-dependent formation of <i>CIS</i> -12,13-epoxy-9(<i>Z</i>)-octadecenoic acid (vernolic acid) in <i>euphorbia lagascae</i> " <i>Biochemical and Biophysical Research Communications</i> 197(2):778-784.
EM	9	Blee et al. (1993) "Mechanism of reaction of fatty acid hydroperoxides with soybean peroxxygenase" <i>The Journal of Biological Chemistry</i> 268(3):1708-1715.
EM	10	Blee and Schuber (1990) "Efficient epoxidation of unsaturated fatty acids by a hydroperoxide-dependent oxygenase" <i>The Journal of Biological Chemistry</i> 265(22):12887-12894.
EM	11	Bozak et al. (1990) "Sequence analysis of ripening-related cytochrome P-450 cDNAs from avocado fruit" <i>Proc. Natl. Acad. Sci. USA</i> 87:3904-3908.



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EM	12	Dolferus et al. (1994) "Differential Interactions of promoter elements in stress responses of the <i>arabidopsis adh</i> gene" <i>Plant Physiol.</i> 105:1075-1087.
EM	13	Engeseth and Stymne (February 1996) "Desaturation of oxygenated fatty acids in <i>lesquerella</i> and other oil seeds" <i>Planta</i> 198:238-245.
EM	14	Needleman and Wunsch (1970) "A General method applicable to the search for similarities in the amino acid sequence of two proteins" <i>J. Mol. Biol.</i> 48:443-453.
EM	15	Shanklin et al. (1994) "Eight histidine residues are catalytically essential in a membrane-associated iron enzyme, stearoyl-coa desaturase, and are conserved in alkane hydroxylase and xylene monooxygenase" <i>Biochemistry</i> 33:12787-12794.
EM	16	Valvekens et al. (1988) " <i>Agrobacterium tumefaciens</i> -mediated transformation of <i>arabidopsis thaliana</i> root explants by using kanamycin selection" <i>Proc. Natl. Acad. Sci. USA</i> 85:5536-5540.
EM	17	Capdevila, J.H., et al., "Cytochrome P-450 arachidonate oxygenase" (1990) <i>methods in enzymology</i> 187:385-394
EM	18	Christian, M.F. and Yu, S.J., "Cytochrome p-450-dependent monooxygenase activity in the velvetbean caterpillar, <i>anticrosia gemmatalis hubner</i> " (1986) <i>Comparative Biochemistry and Physiology</i> 83C(1):23-27
EM	19	Romero, M.F. et al., "An epoxygenase metabolite of arachidonic acid 5,6 epoxy-eicosatrienoic acid mediates angiotensin-induced natriuresis in proximal tubular epithelium" (1991) <i>Advances in Prostaglandin, Thromboxane and Leukotriene Research</i> 21:205-208
EM	20	Laethem, R.M. et al., "Epoxidation of C ₁₈ unsaturated fatty acids by cytochromes P450C2 and P450CAA" (June 1996) <i>Drug Metabolism and Disposition</i> 24(6):664-668
EM	21	Lee, M. et al., Identification of non-heme diiron proteins that catalyze triple bond and epoxy group formation" (May 8, 1998) <i>Science</i> 280:915-918
EM	22	Van de Loo, F.J. et al., "An oleate 12-hydroxylase from <i>ricinus communis</i> l. is a fatty acyl desaturase homolog" (July 1995) <i>Proc. Natl. Acad. Sci. USA</i> 92:6743-6747

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EM			Hamberg and Fahlstadius (1992) "On the Specificity of a Fatty Acid Epoxygenase in Broad Bean (<i>Vicia faba</i> L.); <i>Plant Physiol.</i> 99:987-995.
EM			Heppard et al. (1996) "Developmental and Growth Temperature Regulation of Two Different Microsomal ω-6 Desaturase Genes in Soybeans"; <i>Plant Physiol.</i> 110:311-319.
EM			Okuley et al. (1994) "Arabidopsis FAD2 Gene Encodes the Enzyme That is Essential for Polyunsaturated Lipid Synthesis"; <i>Plant Cell</i> 6:147-158.

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